SOURCE LISTING

STMT LEV NT


```
  1      0   EXER: PROC OPTIONS (MAIN);
             /*
                   EXERCICE
                                              */
  2    1  0  DCL AREA (120) DEC FLOAT (6); DCL N BIN FIXED (31) INIT (120);
  4    1  0  GET EDIT (AREA) (R(FMT2));
  5    1  0  PUT EDIT (AREA) (R(FMT1));
  6    1  0  CALL RAN (AREA,N);
  7    1  0  PUT EDIT (AREA) (R(FMT1));
  8    1  0  FMT1: FORMAT (SKIP(4), 10 (SKIP, 12 F(6,3)));
  9    1  0  FMT2: FORMAT (12 F(6,3) , SKIP);
 10    1  0  STOP;
 11    1  0  RAN: PROC (AREA,N);
 12    2  0  DCL AREA (*) DEC FLOAT (6); DCL N BIN FIXED (31);
 14    2  0  DCL SVN DEC FLOAT (6) INIT (7.0); DCL ONE DEC FLOAT (6) INIT (1.0);
 16    2  0  M=N/2; L=6;
 18    2  0  LP1: DO I=1 TO M;
 19    2  1  S=SVN*AREA(I)+AREA(N+1-I-L);
 20    2  1  DO K=1 TO 8; L=K; S=S-ONE; IF S < 0 THEN GO TO LP2; END;
 25    2  1  LP2: AREA (I)=S+ONE; S=SVN*AREA(N+1-I)+ AREA(I+L);
 27    2  1  DO K=1 TO 8; L=K; S=S-ONE; IF S < 0 THEN GO TO LP3; END;
 32    2  1  LP3: AREA (N+1-I)=S+ONE;
 33    2  1  END LP1; RETURN; END RAN;
 36    1  0  END EXER;
```

PL1 -כ י'יקרל'ן יי'כטשמ ין.3'

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0.291 0.924 0.582 0.749 0.914 0.976 0.722 0.537 0.708 0.417 0.016 0.727
0.878 0.758 0.091 0.048 0.630 0.005 0.497 0.758 0.529 0.367 0.898 0.090
0.315 0.798 0.179 0.630 0.849 0.324 0.656 0.075 0.884 0.083 0.579 0.786
0.349 0.014 0.121 0.600 0.836 0.137 0.030 0.316 0.965 0.366 0.133 0.311
0.332 0.777 0.895 0.704 0.710 0.286 0.196 0.524 0.210 0.664 0.531 0.312
0.068 0.831 0.818 0.587 0.764 0.361 0.994 0.630 0.147 0.143 0.595 0.003
0.194 0.559 0.438 0.677 0.712 0.791 0.005 0.135 0.407 0.462 0.963 0.760
0.764 0.207 0.072 0.557 0.090 0.873 0.271 0.335 0.593 0.507 0.675 0.659
0.846 0.392 0.921 0.433 0.323 0.036 0.071 0.538 0.699 0.064 0.232 0.967
0.601 0.956 0.103 0.893 0.489 0.555 0.622 0.107 0.370 0.297 0.909 0.267


0.592 0.575 0.030 0.798 0.291 0.321 0.021 0.726 0.188 0.457 0.079 0.412
0.217 0.227 0.708 0.874 0.802 0.427 0.802 0.227 0.549 0.244 0.159 0.223
0.295 0.676 0.343 0.987 0.150 0.340 0.664 0.987 0.395 0.043 0.813 0.964
0.234 0.775 0.283 0.877 0.529 0.671 0.922 0.807 0.898 0.709 0.074 0.807
0.471 0.582 0.029 0.922 0.331 0.853 0.036 0.736 0.134 0.312 0.753 0.220
0.623 0.964 0.147 0.421 0.660 0.191 0.168 0.941 0.693 0.532 0.689 0.725
0.253 0.245 0.384 0.443 0.117 0.853 0.351 0.256 0.814 0.070 0.862 0.156
0.485 0.049 0.290 0.499 0.514 0.897 0.781 0.131 0.035 0.398 0.800 0.243
0.720 0.400 0.245 0.829 0.440 0.150 0.994 0.133 0.523 0.496 0.153 0.527
0.212 0.570 0.479 0.342 0.301 0.643 0.112 0.627 0.007 0.787 0.071 0.618
```

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DCL      A(12);
DCL  DY  LABEL;

IF _____ THEN  DY = FMT1;
            ELSE  DY = FMT2;



PUT EDIT ( A (I) DO I: 1 TO 5 ) ( R (DY));

FMT1 : FORMAT (SKIP, (N) F(6,3), (12-N) F (6,3))
FMT2 : FORMAT (SKIP, (12-N) F(6,3), (N) F (6,3))
```